

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Pulp Iron Ore Reference Material

GIOP-30

Certified Control Values

Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe	%	66.4	0.41	209	+/- 0.06
Fe(Calc)	%	66.3	0.33	207	+/- 0.05
SiO ₂	%	2.03	0.223	209	+/- 0.03
Al ₂ O ₃	%	1.22	0.138	209	+/- 0.019
TiO ₂	%	0.058	0.0068	210	+/- 0.0009
Mn	%	0.023	0.0042	209	+/- 0.0006
CaO	%	0.029	0.0039	210	+/- 0.0005
P	%	0.160	0.0020	203	+/- 0.0003
S	%	0.008	0.0013	188	+/- 0.0002
MgO	%	0.048	0.0188	193	+/- 0.0027
K ₂ O	%	0.165	0.0354	208	+/- 0.0048
LOI ₄₂₅	%	0.61	0.069	157	+/- 0.011
LOI ₆₅₀	%	0.87	0.064	164	+/- 0.01
LOI ₁₀₀₀	%	1.08	0.056	196	+/- 0.008

CRM Details

Control Statistic Details

Control values for this material were determined during a certification program.

Certification Date

This material was certified with the above values on:
4th February 2009

Source Material

Prior to homogenisation and testing, this material was sourced from:
Northern Territory

Material Type

Pulp Iron Ore, 10g samples.

Usage

This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

This reference material was dried in an oven for a minimum of 12 hours at 110C. The dry material is then crushed in a micron mill and homogenised in a vee-blender. The material is then stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into heat sealed, air tight, plastic packets ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

Assay Testwork

This standard was tested in a dedicated certification program. 10 x 10g samples were sent to 4 laboratories for XRF analyses. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

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Geostats Pty Ltd, Certified Iron Ore Reference Material, Product Code: